

## REMARKS/ARGUMENTS

The Examiner is thanked for carefully reviewing the present application. The present amendment is in response to the Office Action mailed on March 13, 2007 regarding claims 1-21. The applicant has thoroughly reviewed the outstanding Office Action including the Examiner's remarks and the references cited therein. The above amendment and following remarks are believed to be fully responsive to the Office Action and render all claims at issue patentably distinguishable over cited references.

Favorable reconsideration is requested in view of the above amendments and the following remarks.

Independent claims 1, 8 and 15 are amended to respectively include the limitations recited in claims 7, 14 and 20; claims 7, 14 and 20 are cancelled without prejudice or disclaimer; and claims 3, 5, 10, 12, 17 and 19 are withdrawn. Therefore, claims 1, 2, 4, 6, 8, 9, 11, 13, 15, 16, 18 and 21 are now pending in the application. These amendments contain no new matter.

### Office Action Summary

Applicant respectfully submits that, in the Disposition of Claims of the Office Action Summary, "... the above claim(s) 3, 5, 9, 12, 17 and 19 is/are withdrawn ..." should be -- ... the above claim(s) 3, 5, 9~~10~~, 12, 17 and 19 is/are withdrawn ...--, and "Claim(s) 1, 2, 4, 6, 8, 10, 11, 13, 15, 16, 18, 19 and 21 is/are rejected" should be --Claim(s) 1, 2, 4, 6, 8, ~~10~~9, 11, 13, 15, 16, 18, ~~19~~ and 21 is/are rejected --. Applicant further submits that, in the Response to Amendment of the Detailed Action, "... claims 3, 5, 9, 12, 17 and 19 are withdrawn ..." should be -- ... claims 3, 5, 9~~10~~, 12, 17 and 19 are withdrawn ...--.

**Claim Rejections under 35 U.S.C. §103**

1. Claims 1, 4, 6, 8, 11, 13, 15, 18 and 21 are rejected under 35 U.S.C.103(a) as being unpatentable over Admitted Prior Art (hereinafter referred to as “Admission”) in view of Yang et al. (US 6982793) (hereinafter referred to as “Yang et al.”). These rejections are respectfully traversed. As will be fully explained below, it is respectfully submitted that Admission in view of Yang et al. do not render the claimed invention obvious, and the applicants respectfully request that the section 103(a) rejection be withdrawn.

Three requirements must be satisfied to establish a *prima facie* case of obviousness. First, as the U.S. Supreme Court very recently held in KSR International Co. v. Teleflex Inc. et al., Slip Opinion No. 04–1350, 550 U. S. \_\_\_\_ (April 30, 2007), “a court must ask whether the improvement is more than the predictable use of prior art elements according to their established functions. ...it [may] be necessary for a court to look to interrelated teachings of multiple patents; the effects of demands known to the design community or present in the marketplace; and the background knowledge possessed by a person having ordinary skill in the art, all in order to determine whether there was an apparent reason to combine the known elements in the fashion claimed by the patent at issue. ...it can be important to identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the elements in the way the claimed new invention does... because inventions in most, if not all, instances rely upon building blocks long since uncovered, and claimed discoveries almost of necessity will be combinations of what, in some sense, is already known.” (KSR, *supra*, slip opinion at 13-15.) Second, the proposed modification of the prior art must have had a reasonable expectation of success, determined from the vantage point of the skilled artisan at the time the invention was made. Amgen Inc. v. Chugai Pharm. Co., 18 USPQ2d 1016, 1023 (Fed. Cir. 1991). Lastly, the prior art reference must teach or suggest all

the limitations of the claims. In re Wilson, 165 USPQ 494, 496 (C.C.P.A. 1970).

Applicant notes with appreciation the Examiner's indication that none of the prior art either alone or in combination disclose, teach or suggest the specific limitations recited in original claims 7, 14 and 20. The Examiner further indicated that claims 7, 14 and 20 are deemed non-obvious and inventive over the prior arts, and would be allowable if rewritten in independent form.

In accordance with the Office Action, Applicant has amended independent claims 1, 8 and 15 of the present application. As amended, claim 1 includes all of the limitations recited in claim 7, claim 8 includes all of the limitations recited in claim 14, and claim 15 includes all of the limitations recited in claim 20. Therefore, as amended, the prior arts fail to teach or suggest the features recited in the amended claims 1, 8 and 15.

Accordingly, Applicant respectfully submits that Admission in view of Yang et al. fails to disclose, teach, or suggest all the features of amended claims 1, 8 and 15, and the amended claims 1, 8 and 15 are allowable.

Since the amended claim 1, 8 and 15 are allowable, dependent claims 4 and 6 each of which depends from independent claim 1, dependent claims 11 and 13 each of which depends from independent claim 8, and dependent claims 18 and 21 each of which depends from independent claim 15 are likewise believed to be allowable. Accordingly, applicant respectfully requests that the section 103(a) rejections thereto be reconsidered and withdrawn.

2. Claims 2, 9 and 16 are rejected under 35 U.S.C.103(a) as being unpatentable over Admission and Yang et al. in view of Lee et al. (US 2004/0263768) (hereinafter referred to as "Lee et al."). These rejections are respectfully traversed. As will be fully explained below, it is respectfully submitted that Admission and Yang et al. in view of Lee et al. do not render the claimed invention

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obvious, and the applicants respectfully request that the section 103(a) rejection be withdrawn.

Just as the aforementioned description, since independent claims 1, 8 and 15 are allowable, dependent claim 2 depending from independent claim 1, dependent claim 9 depending from independent claim 8 and dependent claim 16 depending from independent claim 15 are likewise believed to be allowable. Accordingly, applicant respectfully requests that the section 103(a) rejections thereto be withdrawn.

### **Conclusion**

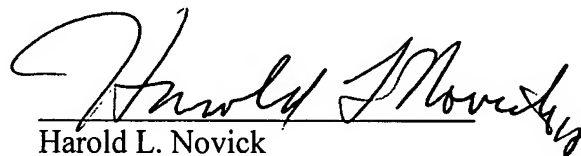
In light of the foregoing, Applicant submits that the application, comprising claims 1, 2, 4, 6, 8, 9, 11, 13, 15, 16, 18 and 21 as currently presented, is now in condition for allowance. If the Examiner believes the application is not in condition for allowance, Applicant respectfully requests that the Examiner contact the undersigned attorney if it is believed that such contact will expedite the prosecution of the application.

In the event this paper is not timely filed, Applicant petitions for an appropriate extension of time. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 14-0112.

Respectfully submitted,

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